

Title (en)  
PROCESS FOR PRODUCING AN ACICULAR FERRIMAGNETIC IRON OXIDE

Publication  
**EP 0256459 A3 19891213 (DE)**

Application  
**EP 87111497 A 19870808**

Priority  
DE 3627133 A 19860809

Abstract (en)  
[origin: EP0256459A2] Needle-shaped, ferrimagnetic iron oxide is prepared by heat-treating iron(III) oxide hydrate mostly consisting of lepidocrocite and modified with tin dioxide at temperatures between 350 and 800 DEG C, followed by reduction at temperatures between 350 and 600 DEG C together with organic polymers decomposable in this temperature range to give magnetite, followed by oxidation of the magnetite with oxygen-containing gases at 200 to 400 DEG C to give gamma-iron(III) oxide.

IPC 1-7  
**C01G 49/06**; **G11B 5/706**

IPC 8 full level  
**C01G 49/06** (2006.01); **G11B 5/706** (2006.01)

CPC (source: EP)  
**C01G 49/06** (2013.01); **G11B 5/70663** (2013.01); **C01P 2006/12** (2013.01); **C01P 2006/42** (2013.01)

Citation (search report)

- [YD] EP 0087578 A1 19830907 - BASF AG [DE]
- [YD] EP 0078950 A2 19830518 - BASF AG [DE]
- [AD] DE 2805621 A1 19790823 - BASF AG

Cited by  
EP0570693A3; EP0331054A1

Designated contracting state (EPC)  
DE FR GB NL

DOCDB simple family (publication)  
**EP 0256459 A2 19880224**; **EP 0256459 A3 19891213**; DE 3627133 A1 19880211

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